



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/735,436

Art Unit: 2818

Filing Date: 12/12/2003

Examiner: Le, Thong Quoc

First Named Inventor: Heinrich Sussner

Date: 10/4/2004

Title: **METHOD AND APPARATUS FOR A HIGH DENSITY MAGNETIC RANDOM ACCESS MEMORY (MRAM) WITH STACKABLE ARCHITECTURE**

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please amend the application as follows:

In the Specification, replace paragraphs [0021], [0022], [0029], [0033], [0042], [0051] and [0054] with new paragraphs on the following attached sheets.

In the Drawings, replace sheets 2/7 and 4/7 of the Formal Drawings submitted 4/16/2004 with the attached new Replacement Sheets.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 0.00)

## Complete if Known

Application Number	10/735,436
Filing Date	12/12/2003
First Named Inventor	Heinrich Sussner
Examiner Name	Le, Thong Quoc
Group Art Unit	2818
Attorney Docket No.	SUSS-001

METHOD OF PAYMENT				FEE CALCULATION (continued)																																																																																																																																																																																																																																																																			
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number <input type="text"/></p> <p>Deposit Account Name <input type="text"/></p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee (\$)</th> <th>Fee Code (\$)</th> <th>Fee (\$)</th> <th>Fee Description</th> <th></th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>205</td><td>65</td><td></td><td>Surcharge - late filing fee or oath</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1052</td><td>50</td><td>227</td><td>25</td><td></td><td>Surcharge - late provisional filing fee or cover sheet</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1053</td><td>130</td><td>139</td><td>130</td><td></td><td>Non-English specification</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1812</td><td>2,520</td><td>147</td><td>2,520</td><td></td><td>For filing a request for ex parte reexamination</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1804</td><td>920*</td><td>112</td><td>920*</td><td></td><td>Requesting publication of SIR prior to Examiner action</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1805</td><td>1,840*</td><td>113</td><td>1,840*</td><td></td><td>Requesting publication of SIR after Examiner action</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1251</td><td>110</td><td>215</td><td>55</td><td></td><td>Extension for reply within first month</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1252</td><td>420</td><td>216</td><td>205</td><td></td><td>Extension for reply within second month</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1253</td><td>950</td><td>217</td><td>465</td><td></td><td>Extension for reply within third month</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1254</td><td>1,480</td><td>218</td><td>725</td><td></td><td>Extension for reply within fourth month</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1255</td><td>2,010</td><td>228</td><td>985</td><td></td><td>Extension for reply within fifth month</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1401</td><td>330</td><td>219</td><td>160</td><td></td><td>Notice of Appeal</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1402</td><td>330</td><td>220</td><td>160</td><td></td><td>Filing a brief in support of an appeal</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1403</td><td>290</td><td>221</td><td>140</td><td></td><td>Request for oral hearing</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1451</td><td>1,510</td><td>138</td><td>1,510</td><td></td><td>Petition to institute a public use proceeding</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1452</td><td>110</td><td>240</td><td>55</td><td></td><td>Petition to revive - unavoidable</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1453</td><td>1,330</td><td>241</td><td>650</td><td></td><td>Petition to revive - unintentional</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1501</td><td>1,330</td><td>242</td><td>650</td><td></td><td>Utility issue fee (or reissue)</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1502</td><td>480</td><td>243</td><td>235</td><td></td><td>Design issue fee</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1503</td><td>640</td><td>244</td><td>310</td><td></td><td>Plant issue fee</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1460</td><td>130</td><td>122</td><td>130</td><td></td><td>Petitions to the Commissioner</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1807</td><td>50</td><td>123</td><td>50</td><td></td><td>Processing fee under 37 CFR 1.17(q)</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1806</td><td>180</td><td>126</td><td>180</td><td></td><td>Submission of Information Disclosure Stmt</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>8021</td><td>40</td><td>581</td><td>40</td><td></td><td>Recording each patent assignment per property (times number of properties)</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1809</td><td>770</td><td>246</td><td>370</td><td></td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1810</td><td>770</td><td>249</td><td>370</td><td></td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1801</td><td>770</td><td>279</td><td>375</td><td></td><td>Request for Continued Examination (RCE)</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td>1802</td><td>900</td><td>169</td><td>900</td><td></td><td>Request for expedited examination of a design application</td><td><input type="text"/></td><td><input type="text"/></td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td colspan="4"><input type="text"/></td></tr> <tr> <td colspan="4">*or number previously paid, if greater; For Reissues, see above</td> <td colspan="4">SUBTOTAL (3) (\$ )</td> </tr> </tbody> </table>				Large Entity	Small Entity							Fee Code (\$)	Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description		Fee Paid	1051	130	205	65		Surcharge - late filing fee or oath	<input type="text"/>	<input type="text"/>	1052	50	227	25		Surcharge - late provisional filing fee or cover sheet	<input type="text"/>	<input type="text"/>	1053	130	139	130		Non-English specification	<input type="text"/>	<input type="text"/>	1812	2,520	147	2,520		For filing a request for ex parte reexamination	<input type="text"/>	<input type="text"/>	1804	920*	112	920*		Requesting publication of SIR prior to Examiner action	<input type="text"/>	<input type="text"/>	1805	1,840*	113	1,840*		Requesting publication of SIR after Examiner action	<input type="text"/>	<input type="text"/>	1251	110	215	55		Extension for reply within first month	<input type="text"/>	<input type="text"/>	1252	420	216	205		Extension for reply within second month	<input type="text"/>	<input type="text"/>	1253	950	217	465		Extension for reply within third month	<input type="text"/>	<input type="text"/>	1254	1,480	218	725		Extension for reply within fourth month	<input type="text"/>	<input type="text"/>	1255	2,010	228	985		Extension for reply within fifth month	<input type="text"/>	<input type="text"/>	1401	330	219	160		Notice of Appeal	<input type="text"/>	<input type="text"/>	1402	330	220	160		Filing a brief in support of an appeal	<input type="text"/>	<input type="text"/>	1403	290	221	140		Request for oral hearing	<input type="text"/>	<input type="text"/>	1451	1,510	138	1,510		Petition to institute a public use proceeding	<input type="text"/>	<input type="text"/>	1452	110	240	55		Petition to revive - unavoidable	<input type="text"/>	<input type="text"/>	1453	1,330	241	650		Petition to revive - unintentional	<input type="text"/>	<input type="text"/>	1501	1,330	242	650		Utility issue fee (or reissue)	<input type="text"/>	<input type="text"/>	1502	480	243	235		Design issue fee	<input type="text"/>	<input type="text"/>	1503	640	244	310		Plant issue fee	<input type="text"/>	<input type="text"/>	1460	130	122	130		Petitions to the Commissioner	<input type="text"/>	<input type="text"/>	1807	50	123	50		Processing fee under 37 CFR 1.17(q)	<input type="text"/>	<input type="text"/>	1806	180	126	180		Submission of Information Disclosure Stmt	<input type="text"/>	<input type="text"/>	8021	40	581	40		Recording each patent assignment per property (times number of properties)	<input type="text"/>	<input type="text"/>	1809	770	246	370		Filing a submission after final rejection (37 CFR § 1.129(a))	<input type="text"/>	<input type="text"/>	1810	770	249	370		For each additional invention to be examined (37 CFR § 1.129(b))	<input type="text"/>	<input type="text"/>	1801	770	279	375		Request for Continued Examination (RCE)	<input type="text"/>	<input type="text"/>	1802	900	169	900		Request for expedited examination of a design application	<input type="text"/>	<input type="text"/>	Other fee (specify) _____				<input type="text"/>				*or number previously paid, if greater; For Reissues, see above				SUBTOTAL (3) (\$ )			
Large Entity	Small Entity																																																																																																																																																																																																																																																																						
Fee Code (\$)	Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description		Fee Paid																																																																																																																																																																																																																																																																
1051	130	205	65		Surcharge - late filing fee or oath	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1052	50	227	25		Surcharge - late provisional filing fee or cover sheet	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1053	130	139	130		Non-English specification	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1812	2,520	147	2,520		For filing a request for ex parte reexamination	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1804	920*	112	920*		Requesting publication of SIR prior to Examiner action	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1805	1,840*	113	1,840*		Requesting publication of SIR after Examiner action	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1251	110	215	55		Extension for reply within first month	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1252	420	216	205		Extension for reply within second month	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1253	950	217	465		Extension for reply within third month	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1254	1,480	218	725		Extension for reply within fourth month	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1255	2,010	228	985		Extension for reply within fifth month	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1401	330	219	160		Notice of Appeal	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1402	330	220	160		Filing a brief in support of an appeal	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1403	290	221	140		Request for oral hearing	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1451	1,510	138	1,510		Petition to institute a public use proceeding	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1452	110	240	55		Petition to revive - unavoidable	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1453	1,330	241	650		Petition to revive - unintentional	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1501	1,330	242	650		Utility issue fee (or reissue)	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1502	480	243	235		Design issue fee	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1503	640	244	310		Plant issue fee	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1460	130	122	130		Petitions to the Commissioner	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1807	50	123	50		Processing fee under 37 CFR 1.17(q)	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1806	180	126	180		Submission of Information Disclosure Stmt	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
8021	40	581	40		Recording each patent assignment per property (times number of properties)	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1809	770	246	370		Filing a submission after final rejection (37 CFR § 1.129(a))	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1810	770	249	370		For each additional invention to be examined (37 CFR § 1.129(b))	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1801	770	279	375		Request for Continued Examination (RCE)	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
1802	900	169	900		Request for expedited examination of a design application	<input type="text"/>	<input type="text"/>																																																																																																																																																																																																																																																																
Other fee (specify) _____				<input type="text"/>																																																																																																																																																																																																																																																																			
*or number previously paid, if greater; For Reissues, see above				SUBTOTAL (3) (\$ )																																																																																																																																																																																																																																																																			

\*Reduced by Basic Filing Fee Paid

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	Thomas R. Berthold	Registration No. (Attorney/Agent)	28,689	Telephone (408) 396-8411
Signature		Date	10/04/2004	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.